

CLAIM AMENDMENTS

Please cancel claims 14 and 16 and amend claims 1-3, 5-7, 9, 12, and 13 as follows:

1. (Currently amended) A contact lens, comprising: having one or more optimized centered optical zones that accommodate the specific optical variations of the eye of the wearer; and mechanical features which allow the one or more centered optical zones being aligned with placed within the contact lens in relation to the true line of sight of the wearer while worn by the wearer, wherein the placement of the one or more optical zones is determined from measurement data derived from the position of a test lens relative to the center of the cornea using an eye tracking system with the eye fixated in primary gaze.
2. (Currently amended) The contact lens of claim 1, wherein the ~~contact lens includes mechanical features such that the one or more optical zones are positionally maintained in the eye while worn by the wearer~~ true line of sight of the eye is determined from measurement data derived from the position of a test lens relative to the center of the cornea using an eye tracking system with the eye fixated in primary gaze.
3. (Currently amended) The contact lens of claim 1, wherein the true line of sight of the eye ~~placement of the one or more optical zones~~ is determined from measurement data derived from wavefront data and corneal topography of the eye of the contact lens wearer for primary gaze.
4. (Canceled)
5. (Currently amended) The contact lens of claim 1, wherein the mechanical features are placement of one or more optical zones of the contact lens is adjusted to maintain the centered optical zones substantially in line with the true line of sight of the wearer while worn by the wearer based upon use in the eye of the wearer and iteration of measurements and fitting process.
6. (Currently amended) The contact lens of claim 1, wherein the ~~one or more optical zones of the~~ contact lens are created with a multi-axis cutting system.
7. (Currently amended) A method for manufacturing a contact lens having one or more ~~centered optimized~~ optical zones that can accommodate the specific optical variations of the eye of the wearer, comprising the steps of:

obtaining information about the true line of sight of the eye, wherein the true line of sight of the eye is determined by measuring the variations in the eye of a potential contact lens wearer, wherein this step is carried out by obtaining measurement data derived from the position of a test lens relative to the center of the cornea using an eye tracking system with the eye fixated in primary gaze; and

~~determining one or more optimal optical zones for a contact lens used in the eye of the potential wearer such that the optical zone is placed substantially on the true line of sight; and~~

manufacturing the contact lens to contain mechanical features which allow the one or more centered optimal optical zones being aligned with the true line of sight of the wearer while worn by the wearer.

8. (Original) The method of claim 7, wherein the step of manufacturing the contact lens occurs with a multi-axis cutting system.

9. (Currently amended) The method of claim 7, wherein the step of manufacturing the contact lens includes the step of adjusting ~~creating~~ mechanical features on the contact lens such that the one or more centered optimal optical zones are positionally maintained ~~in the eye~~ substantially in line with the true line of sight of the wearer while worn by the wearer, based upon use in the eye of the wearer and iteration of measurements and fitting process.

10. (Original) The method of claim 7, wherein the step of obtaining information about the true line of sight of the eye is obtaining measurement data derived from wavefront data and corneal topography of the eye of the contact lens wearer for primary gaze.

11. (Canceled)

12. (Currently amended) The method of claim 7, wherein the steps of the method are iterated to optimize the location of the one or more optical zones in the eye.

13. (Currently amended) A method for manufacturing a contact lens having one or more centered optimal optical zones that can accommodate the specific optical variations of the eye of the wearer, comprising the steps of:

a step for obtaining information about the true line of sight of the eye, wherein the true line of sight of the eye is determined by measuring the variation in the eye of a potential contact lens wearer to determine the line of sight of the eye;

a step for adjusting mechanical features of the contact lens to allow the determining one or more centered ~~optimal~~ optical zones being aligned with the true line of sight of the wearer while worn by the wearer ~~for a contact lens used in the eye of the potential wearer such that the optical zone is placed in relation to the true line of sight of the eye of the wearer, wherein the adjustment of the mechanical features is carried out based upon use in the eye of the wearer and iteration of measurements and fitting process placement of the one or more optical zones is determined from measurement data derived from the position of a test lens relative to the center of the cornea using an eye tracking system with the eye fixated in primary gaze; and~~

a step for manufacturing the contact lens comprising the mechanical features and to contain the one or more centered ~~optimal~~ optical zones.

14. (canceled)

15. (Previously presented) The method of claim 13, wherein the step of manufacturing the contact lens occurs with a multi-axis cutting system.

16. (Canceled)

17. (Previously presented) The method of claim 13, wherein the step of obtaining information about the true line of sight of the eye is obtaining measurement data derived from wavefront data and corneal topography of the eye of the contact lens wearer for primary gaze.